

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Withdrawn-currently amended) A method of treating an ungual condition comprising,
 - a) applying a composition to an ungual structure comprising, hydrophilic polymer matrix; at least one active agent; at least one humectant; and moisture content in the hydrophilic polymer matrix composition effective to create a diffusion gradient from the hydrophilic polymer matrix composition to an ungual structure, wherein moisture and the at least one active agent are transferred by the diffusion gradient from the composition to the ungual structure when the composition contacts the ungual structure, wherein at least one active agent comprises a weak organic acid; and
 - b) maintaining the composition at the ungual structure site for a sufficient amount of time so that an effective amount of the active agent is delivered.
2. (Canceled)
3. (Withdrawn) The method of Claim 1, wherein the organic acid comprises citric acid.
4. (Withdrawn) The method of Claim 3, wherein the citric acid is in a concentration between 0.1 and 16%, between 4 and 16%, or between 6 and 12%.
5. (Canceled)
6. (Withdrawn) The method of Claim 1, wherein the hydrophilic polymer matrix is made of natural or synthetic hydrophilic polymers, rubber, collagen, animal hide, hyaluronic acid, dextran, alginates, cellulose, carboxymethylcellulose, hydroxymethylcellulose, elastomers, polyethylenes, polypropylenes, polybutyrate, polyacrylate, polyacrylamide, polyurethane foam, silicone elastomer, nylon, vinyl or cross linked dextran.
7. (Withdrawn) The method of Claim 1, wherein the humectant is glycerol.
8. (Withdrawn) The method of Claim 1, wherein the composition further comprises at least one attachment element.
9. (Withdrawn) The method of Claim 1, wherein the composition is an amorphous hydrophilic polymer matrix.
10. (Withdrawn) The method of Claim 1, wherein the composition is a cream, salve, lotion, or emulsion.
11. (Currently Amended) A composition comprising a flexible membrane comprising,

a) a ~~continuous~~ hydrophilic polymer matrix;
b) at least one active agent;
c) at least one humectant; and
d) a moisture content in the hydrophilic polymer matrix composition effective to create a diffusion gradient from the hydrophilic polymer matrix composition to an unguual structure, wherein the hydrophilic polymer matrix directly contacts the unguual structure and moisture and at least one active agent are transferred by the diffusion gradient from the hydrophilic polymer matrix composition to the unguual structure, and wherein at least one active agent comprises a weak organic acid.

12. (Previously Presented) The composition of Claim 11, further comprising a moisture management system.

13. (Previously Presented) The composition of Claim 11, further comprising at least one attachment element.

14. (Previously Presented) The composition of Claim 11, wherein the hydrophilic polymer matrix comprises natural or synthetic hydrophilic polymers, rubber, collagen, animal hide, hyaluronic acid, dextran, alginates, cellulose, carboxymethylcellulose, hydroxymethylcellulose, elastomers, polyethylenes, polypropylenes, polybutyrate, polyacrylate, polyacrylamide, polybuterate, polyurethane foam, silicone elastomer, nylon, vinyl, or cross linked dextran.

15. (Currently Amended) The composition of Claim 11, wherein at least one active agent comprises citric acid, sorbic acid, ascorbic acid, tannic acid, succinic acid, lactic acid, pyruvic acid, alpha ketoglutaric acid, glutamic acid, acetic acid, ~~butarie~~ butyric acid, salicylic acid, iodine, DMSO, azole derivatives, undecylenic acid, tea tree oil, urea, selenium sulfide, resorcinol, ketoconazole, Clotrimazole, Terbinafine, Ciclopirox olamine, Diflucan, anti-yeast compounds, antibacterial compounds, or antiviral compounds.

16. (Previously Presented) The composition of Claim 11, wherein the humectant is an organic alcohol, glycerol, butanol, propanol, isopropyl alcohol, ethanol, propylene glycol, polyethylene glycol, ethylene alcohol, butyl alcohol, sodium chloride, lithium chloride, copper chloride, magnesium chloride, magnesium sulfate, manganese sulphate, aluminum sulfate, zinc sulfate, or zinc chloride.

17. (Previously Presented) The composition of Claim 11, wherein the moisture content of the composition is in a range of from 0.1% to 50% water.

18-20. (Canceled)

21. (Previously Presented) The composition of Claim 11, wherein the citric acid is in a concentration of 0.1% to 16% w/w.

22. (Currently Amended) A composition, comprising a flexible membrane comprising:

- a) a hydrophilic polymer matrix;
- b) at least one active agent;
- c) at least one humectant; and
- d) a moisture content in the composition effective to create a diffusion gradient from

the composition to an unguall structure, wherein moisture and at least one active agent are transferred from the hydrophilic polymer matrix composition to the unguall structure when the composition contacts the unguall structure, and wherein at least one active agent comprises a weak organic acid in a concentration of about 0.1% to about 16% w/w.

23. (Currently Amended) The composition of Claim 22, wherein the weak organic acid is citric acid, and wherein the citric acid is in a concentration of about 8% to about 16% w/w.

24. (Previously Presented) The composition of Claim 22, wherein the hydrophilic polymer matrix is made of natural or synthetic hydrophilic polymers, rubber, collagen, animal hide, hyaluronic acid, dextran, alginates, cellulose, carboxymethylcellulose, hydroxymethylcellulose, elastomers, polyethylenes, polybutyrate, polyacrylate, polyacrylamide, polybuterate, polyurethane foam, silicone elastomer, nylon, vinyl or cross linked dextran.

25. (Previously Presented) The composition of Claim 22, wherein the hydrophilic polymer matrix is polyacrylamide.

26. (Previously Presented) The composition of Claim 11, wherein the hydrophilic polymer matrix is polyacrylamide.

27. (Withdrawn) The composition of Claim 1, wherein the hydrophilic polymer matrix is polyacrylamide.